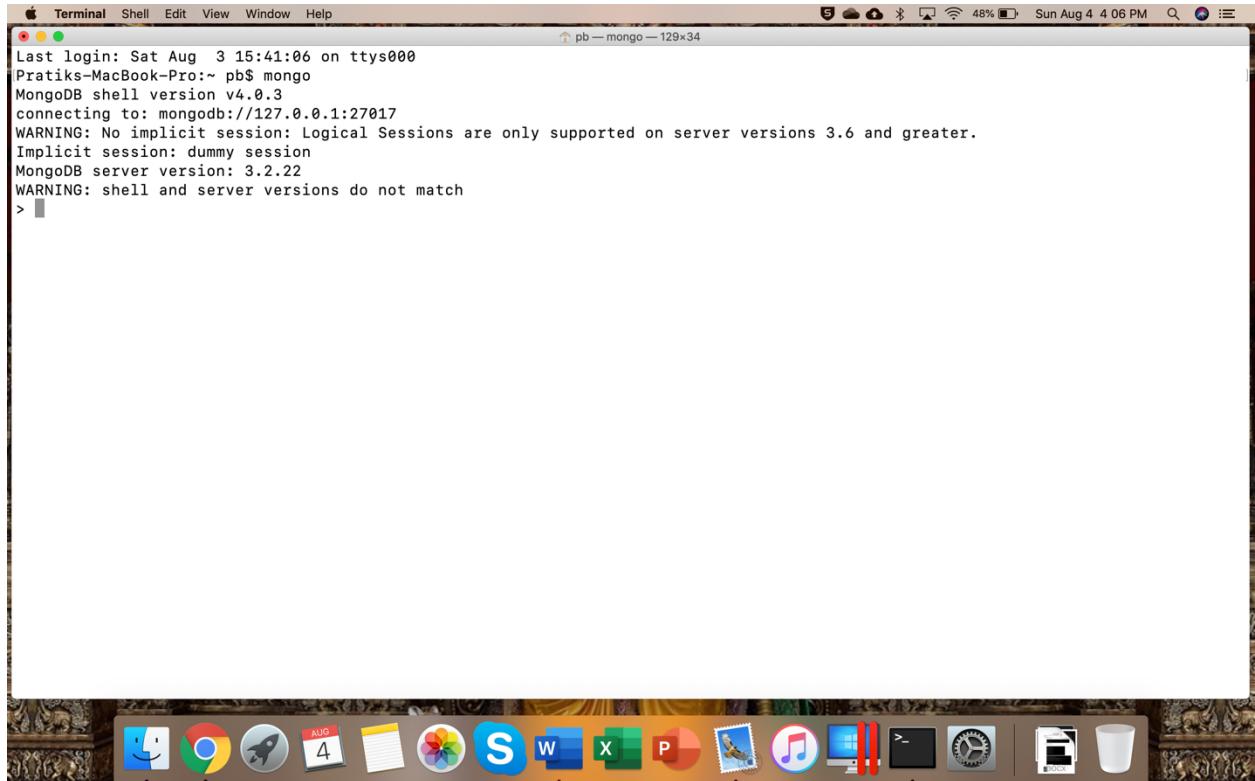


DB2 – Summer 2019  
Project 2 – Phase 1  
Sneha Srinivas (1001667832) & Pratik Barhate (1001649826)

i. Installation of MongoDB

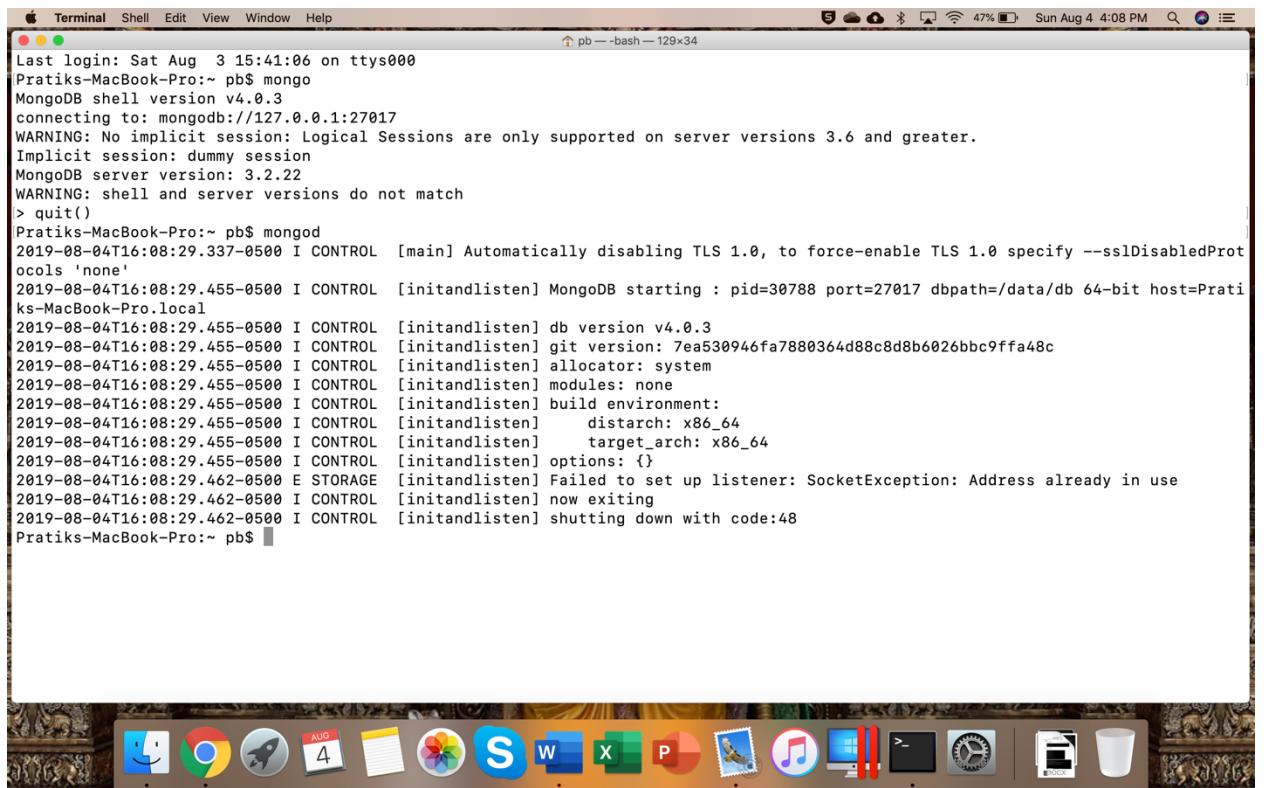


A screenshot of a Mac OS X desktop environment. At the top, there's a menu bar with options like Terminal, Shell, Edit, View, Window, Help, and a system status bar showing battery level (48%), signal strength, and the date and time (Sun Aug 4 4:06 PM). Below the menu bar is a Terminal window titled "pb — mongo — 129x34". The window contains the following text:

```
Last login: Sat Aug 3 15:41:06 on ttys000
Pratiks-MacBook-Pro:~ pb$ mongo
MongoDB shell version v4.0.3
connecting to: mongodb://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> █
```

The bottom of the screen features the Dock, which is a horizontal bar displaying icons for various applications including Finder, Mail, Safari, Google Chrome, Calendar, Reminders, Photos, Stocks, Word, Excel, PowerPoint, Numbers, Pages, iMovie, iPhoto, iTunes, iBooks, iCal, and iWork.

ii. Importing the Data Files by running the mongod daemon on.



A screenshot of a Mac OS X desktop environment. At the top, there's a dark grey menu bar with the word "Terminal" in white. Below it is a standard Mac OS X window title bar with "Terminal" and other menu options like "Shell", "Edit", "View", "Window", and "Help". The main content area of the window is a terminal session. It starts with "Last login: Sat Aug 3 15:41:06 on ttys000" followed by "Pratiks-MacBook-Pro:~ pb\$ mongo". The mongo shell version is v4.0.3, and it connects to "mongodb://127.0.0.1:27017". It then displays several warning messages: "WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.", "Implicit session: dummy session", and "WARNING: shell and server versions do not match". The user then types "> quit()" and presses Enter. This is followed by the command "Pratiks-MacBook-Pro:~ pb\$ mongod", which starts the MongoDB daemon. The log output shows various initialization steps, including setting up TLS, starting the server with pid=30788, and specifying dbpath=/data/db. It also shows the git version (7ea530946fa7880364d88c8d8b6026bbc9ffa48c), allocator (system), modules (none), build environment (distarch: x86\_64), target\_arch (x86\_64), and options ({}). A socket exception is noted as failing to set up the listener. Finally, the server shuts down with code:48. The bottom of the image shows the Mac OS X Dock with various application icons like Mail, Safari, and Microsoft Office.

```
Last login: Sat Aug 3 15:41:06 on ttys000
Pratiks-MacBook-Pro:~ pb$ mongo
MongoDB shell version v4.0.3
connecting to: mongodb://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> quit()
Pratiks-MacBook-Pro:~ pb$ mongod
2019-08-04T16:08:29.337-0500 I CONTROL [main] Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] MongoDB starting : pid=30788 port=27017 dbpath=/data/db 64-bit host=Pratiks-MacBook-Pro.local
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] db version v4.0.3
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] git version: 7ea530946fa7880364d88c8d8b6026bbc9ffa48c
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] allocator: system
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] modules: none
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] build environment:
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten]   distarch: x86_64
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten]   target_arch: x86_64
2019-08-04T16:08:29.455-0500 I CONTROL [initandlisten] options: {}
2019-08-04T16:08:29.462-0500 E STORAGE [initandlisten] Failed to set up listener: SocketException: Address already in use
2019-08-04T16:08:29.462-0500 I CONTROL [initandlisten] now exiting
2019-08-04T16:08:29.462-0500 I CONTROL [initandlisten] shutting down with code:48
Pratiks-MacBook-Pro:~ pb$
```

After performing the import of the files, we can visualize it in the front-end application called compass as below.

MongoDB Compass - localhost:27017/WORLDCUP

Collection Name	Documents	Avg. Document Size	Total Document Size	Num. Indexes	Total Index Size	Properties
GAME	64	156.1 B	10.0 KB	1	16.4 KB	
GOALS	157	92.5 B	14.5 KB	1	16.4 KB	
PLAYER	736	230.5 B	169.6 KB	1	20.5 KB	
STARTING_LINEUP	1,408	66.9 B	94.1 KB	1	24.6 KB	
TEAM	32	96.3 B	3.1 KB	1	16.4 KB	

### iii. Input File – Team

```

Last login: Sat Aug  3 15:41:06 on ttys000
Pratiks-MacBook-Pro:~ pb$ mongo
MongoDB shell version v4.0.3
connecting to: mongod://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> quit()
Pratiks-MacBook-Pro:~ pb$ mongod
2019-08-04T16:08:29.337-0500 I CONTROL  [main] Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] MongoDB starting : pid=30788 port=27017 dbpath=/data/db 64-bit host=Pratiks-MacBook-Pro.local
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] db version v4.0.3
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] git version: 7ea530946fa7880364d88c8d8b6026bbc9ffa48c
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] allocator: system
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] modules: none
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] build environment:
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten]      distarch: x86_64
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten]      target_arch: x86_64
2019-08-04T16:08:29.455-0500 I CONTROL  [initandlisten] options: {}
2019-08-04T16:08:29.462-0500 E STORAGE  [initandlisten] Failed to set up listener: SocketException: Address already in use
2019-08-04T16:08:29.462-0500 I CONTROL  [initandlisten] now exiting
2019-08-04T16:08:29.462-0500 I CONTROL  [initandlisten] shutting down with code:48
Pratiks-MacBook-Pro:~ pb$ mongoimport --db WORLDCUP --collection TEAM --type csv --headerline --file /Users/pb/FIFA/world-cup-teams.csv
2019-08-04T16:12:46.183-0500      connected to: localhost
2019-08-04T16:12:46.270-0500      imported 32 documents
Pratiks-MacBook-Pro:~ pb$ 

```

MongoDB server version: 3.2.22  
 WARNING: shell and server versions do not match  
 > use WORLD CUP  
 switched to db WORLD CUP  
 > db.TEAM.find()  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce355"), "TeamID" : "A1", "Team" : "Russia", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce356"), "TeamID" : "A2", "Team" : "Saudi Arabia", "Continent" : "Asia", "League" : "AFC" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce357"), "TeamID" : "A3", "Team" : "Egypt", "Continent" : "Africa", "League" : "CAF" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce358"), "TeamID" : "B1", "Team" : "Portugal", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce359"), "TeamID" : "A4", "Team" : "Uruguay", "Continent" : "South America", "League" : "CONMEBOL" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce35a"), "TeamID" : "B2", "Team" : "Spain", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce35b"), "TeamID" : "B3", "Team" : "Morocco", "Continent" : "Africa", "League" : "CAF" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce35c"), "TeamID" : "B4", "Team" : "Iran", "Continent" : "Asia", "League" : "AFC" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce35d"), "TeamID" : "C1", "Team" : "France", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce35e"), "TeamID" : "C2", "Team" : "Australia", "Continent" : "Australia", "League" : "AFC" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce35f"), "TeamID" : "C3", "Team" : "Peru", "Continent" : "South America", "League" : "CONMEBOL" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce360"), "TeamID" : "C4", "Team" : "Denmark", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce361"), "TeamID" : "D3", "Team" : "Croatia", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce362"), "TeamID" : "D2", "Team" : "Iceland", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce363"), "TeamID" : "D1", "Team" : "Argentina", "Continent" : "South America", "League" : "CONMEBOL" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce364"), "TeamID" : "D4", "Team" : "Nigeria", "Continent" : "Africa", "League" : "CAF" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce365"), "TeamID" : "E1", "Team" : "Brazil", "Continent" : "South America", "League" : "CONMEBOL" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce366"), "TeamID" : "F1", "Team" : "Germany", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce367"), "TeamID" : "E4", "Team" : "Serbia", "Continent" : "Europe", "League" : "UEFA" }  
{ "\_id" : ObjectId("5d474a4e97b84f2fcddce368"), "TeamID" : "E3", "Team" : "Costa Rica", "Continent" : "Central America", "League" : "CONCACAF" }  
 Type 'it' for more  
 >

MongoDB Compass Connect Edit View Collection Window Help MongoDB Compass - localhost:27017/WORLD CUP.TEAM

1 DBS 5 COLLECTIONS DOCUMENTS 82 TOTAL SIZE 3.0KB AVG. SIZE 96B INDEXES 1 TOTAL SIZE 16.0KB AVG. SIZE 16.0KB

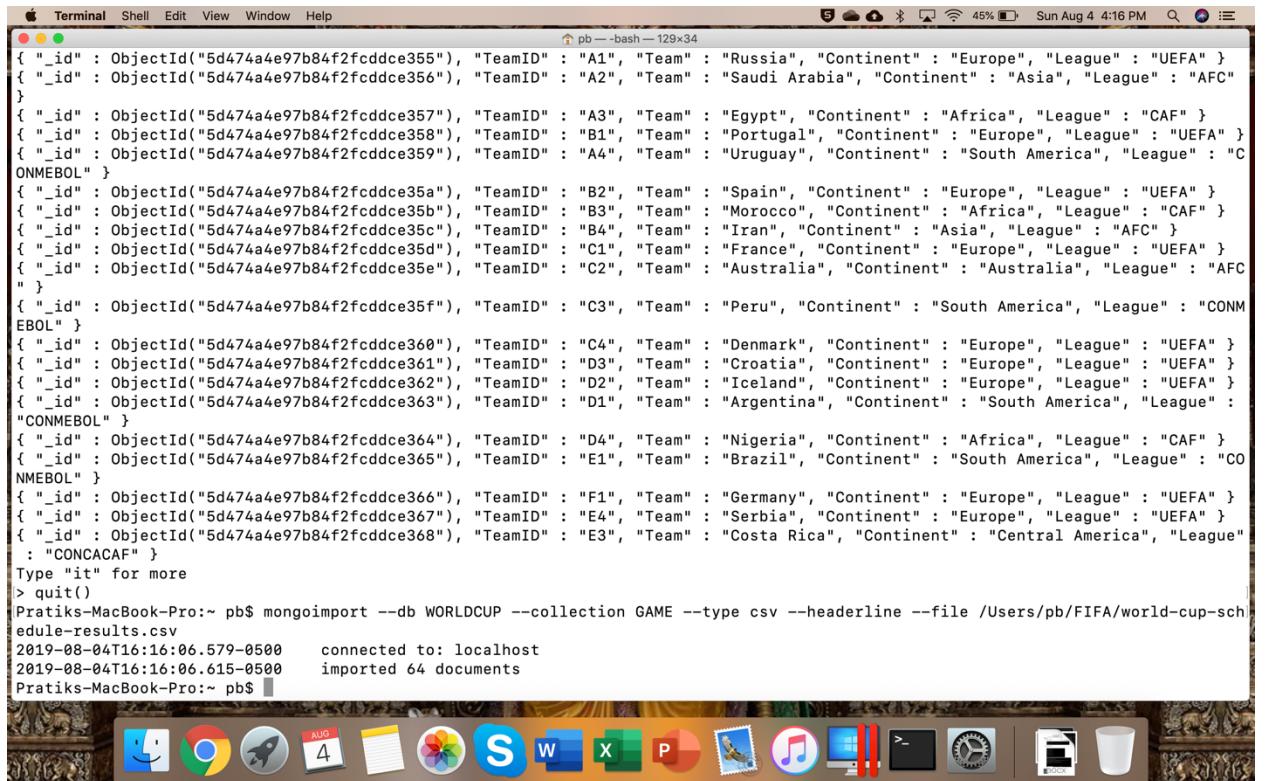
**WORLD CUP.TEAM**

Documents Aggregations Schema Explain Plan Indexes Validation

DISPLAYING DOCUMENTS 1 - 20 OF 32

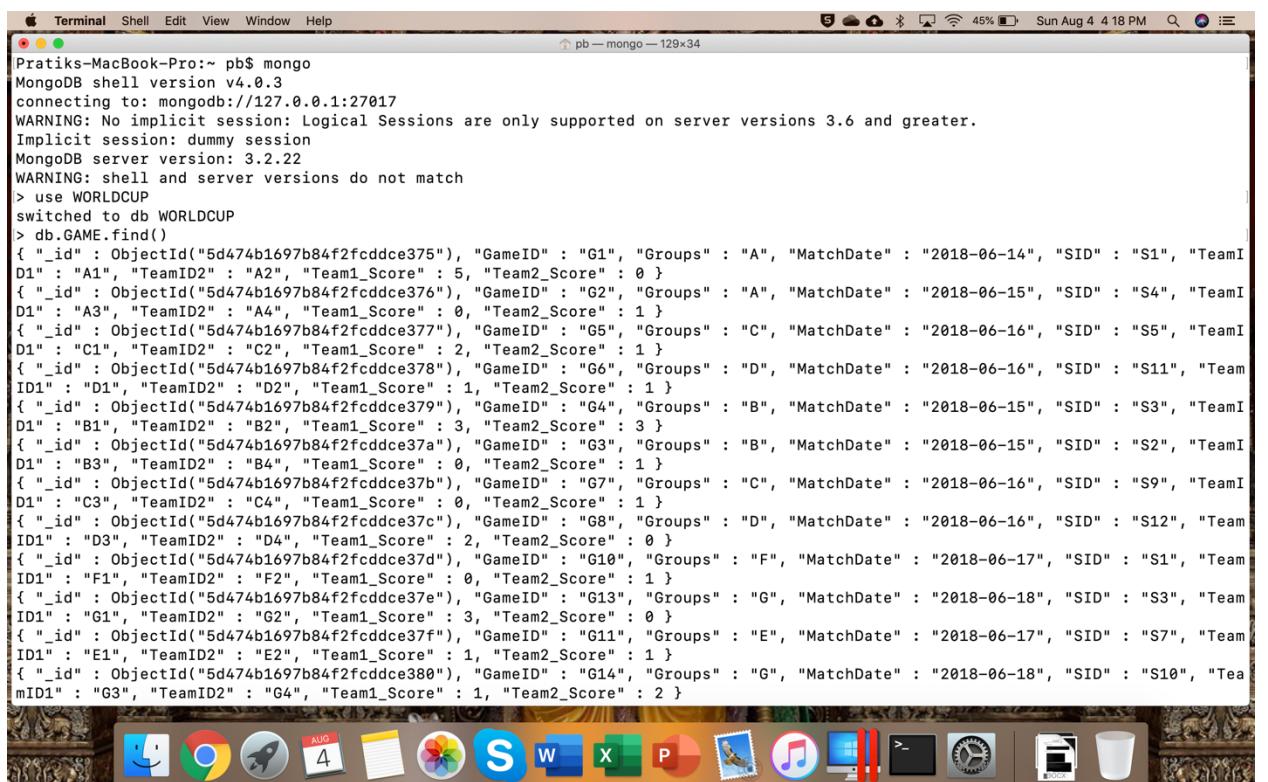
TEAM	_id	ObjectId	TeamID String	Team String	Continent String	League String
GAME	1	5d474a4e97b84f2fcddce355	"A1"	"Russia"	"Europe"	"UEFA"
GOALS	2	5d474a4e97b84f2fcddce356	"A2"	"Saudi Arabia"	"Asia"	"AFC"
PLAYER	3	5d474a4e97b84f2fcddce357	"A3"	"Egypt"	"Africa"	"CAF"
STARTING_LINEUP	4	5d474a4e97b84f2fcddce358	"B1"	"Portugal"	"Europe"	"UEFA"
	5	5d474a4e97b84f2fcddce359	"A4"	"Uruguay"	"South America"	"CONMEBOL"
	6	5d474a4e97b84f2fcddce35a	"B2"	"Spain"	"Europe"	"UEFA"
	7	5d474a4e97b84f2fcddce35b	"B3"	"Morocco"	"Africa"	"CAF"
	8	5d474a4e97b84f2fcddce35c	"B4"	"Iran"	"Asia"	"AFC"
	9	5d474a4e97b84f2fcddce35d	"C1"	"France"	"Europe"	"UEFA"
	10	5d474a4e97b84f2fcddce35e	"C2"	"Australia"	"Australia"	"AFC"
	11	5d474a4e97b84f2fcddce35f	"C3"	"Peru"	"South America"	"CONMEBOL"
	12	5d474a4e97b84f2fcddce360	"C4"	"Denmark"	"Europe"	"UEFA"
	13	5d474a4e97b84f2fcddce361	"D3"	"Croatia"	"Europe"	"UEFA"
	14	5d474a4e97b84f2fcddce362	"D2"	"Iceland"	"Europe"	"UEFA"
	15	5d474a4e97b84f2fcddce363	"D1"	"Argentina"	"South America"	"CONMEBOL"
	16	5d474a4e97b84f2fcddce364	"D4"	"Nigeria"	"Africa"	"CAF"
	17	5d474a4e97b84f2fcddce365	"E1"	"Brazil"	"South America"	"CONMEBOL"
	18	5d474a4e97b84f2fcddce366	"F1"	"Germany"	"Europe"	"UEFA"
	19	5d474a4e97b84f2fcddce367	"E4"	"Serbia"	"Europe"	"UEFA"
	20	5d474a4e97b84f2fcddce368	"E3"	"Costa Rica"	"Central America"	"CONCACAF"

#### iv. Input File – Game



```

Terminal Shell Edit View Window Help pb — bash — 129x34
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce355"),
  "TeamID" : "A1",
  "Team" : "Russia",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce356"),
  "TeamID" : "A2",
  "Team" : "Saudi Arabia",
  "Continent" : "Asia",
  "League" : "AFC"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce357"),
  "TeamID" : "A3",
  "Team" : "Egypt",
  "Continent" : "Africa",
  "League" : "CAF"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce358"),
  "TeamID" : "B1",
  "Team" : "Portugal",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce359"),
  "TeamID" : "A4",
  "Team" : "Uruguay",
  "Continent" : "South America",
  "League" : "CONMEBOL"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce35a"),
  "TeamID" : "B2",
  "Team" : "Spain",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce35b"),
  "TeamID" : "B3",
  "Team" : "Morocco",
  "Continent" : "Africa",
  "League" : "CAF"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce35c"),
  "TeamID" : "B4",
  "Team" : "Iran",
  "Continent" : "Asia",
  "League" : "AFC"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce35d"),
  "TeamID" : "C1",
  "Team" : "France",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce35e"),
  "TeamID" : "C2",
  "Team" : "Australia",
  "Continent" : "Australia",
  "League" : "AFC"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce35f"),
  "TeamID" : "C3",
  "Team" : "Peru",
  "Continent" : "South America",
  "League" : "CONMEBOL"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce360"),
  "TeamID" : "C4",
  "Team" : "Denmark",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce361"),
  "TeamID" : "D3",
  "Team" : "Croatia",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce362"),
  "TeamID" : "D2",
  "Team" : "Iceland",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce363"),
  "TeamID" : "D1",
  "Team" : "Argentina",
  "Continent" : "South America",
  "League" : "CONMEBOL"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce364"),
  "TeamID" : "D4",
  "Team" : "Nigeria",
  "Continent" : "Africa",
  "League" : "CAF"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce365"),
  "TeamID" : "E1",
  "Team" : "Brazil",
  "Continent" : "South America",
  "League" : "CONMEBOL"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce366"),
  "TeamID" : "F1",
  "Team" : "Germany",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce367"),
  "TeamID" : "E4",
  "Team" : "Serbia",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d474a4e97b84f2fcddce368"),
  "TeamID" : "E3",
  "Team" : "Costa Rica",
  "Continent" : "Central America",
  "League" : "CONCACAF"
}
Type "it" for more
> quit()
Pratiks-MacBook-Pro:~ pb$ mongoimport --db WORLD CUP --collection GAME --type csv --headerline --file /Users/pb/FIFA/world-cup-schedule-results.csv
2019-08-08T16:16:06.579-0500      connected to: localhost
2019-08-08T16:16:06.615-0500      imported 64 documents
Pratiks-MacBook-Pro:~ pb$ 
```



```

Terminal Shell Edit View Window Help pb — mongo — 129x34
MongoDB shell version v4.0.3
connecting to: mongodb://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> use WORLD CUP
switched to db WORLD CUP
> db.GAME.find()
{
  "_id" : ObjectId("5d474b1697b84f2fcddce375"),
  "GameID" : "G1",
  "Groups" : "A",
  "MatchDate" : "2018-06-14",
  "SID" : "S1",
  "TeamID1" : "A1",
  "TeamID2" : "A2",
  "Team1_Score" : 5,
  "Team2_Score" : 0
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce376"),
  "GameID" : "G2",
  "Groups" : "A",
  "MatchDate" : "2018-06-15",
  "SID" : "S4",
  "TeamID1" : "A3",
  "TeamID2" : "A4",
  "Team1_Score" : 0,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce377"),
  "GameID" : "G5",
  "Groups" : "C",
  "MatchDate" : "2018-06-16",
  "SID" : "S5",
  "TeamID1" : "C1",
  "TeamID2" : "C2",
  "Team1_Score" : 2,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce378"),
  "GameID" : "G6",
  "Groups" : "D",
  "MatchDate" : "2018-06-16",
  "SID" : "S11",
  "TeamID1" : "D1",
  "TeamID2" : "D2",
  "Team1_Score" : 1,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce379"),
  "GameID" : "G4",
  "Groups" : "B",
  "MatchDate" : "2018-06-15",
  "SID" : "S3",
  "TeamID1" : "B1",
  "TeamID2" : "B2",
  "Team1_Score" : 3,
  "Team2_Score" : 3
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce37a"),
  "GameID" : "G3",
  "Groups" : "B",
  "MatchDate" : "2018-06-15",
  "SID" : "S2",
  "TeamID1" : "B3",
  "TeamID2" : "B4",
  "Team1_Score" : 0,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce37b"),
  "GameID" : "G7",
  "Groups" : "C",
  "MatchDate" : "2018-06-16",
  "SID" : "S9",
  "TeamID1" : "C3",
  "TeamID2" : "C4",
  "Team1_Score" : 0,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce37c"),
  "GameID" : "G8",
  "Groups" : "D",
  "MatchDate" : "2018-06-16",
  "SID" : "S12",
  "TeamID1" : "D3",
  "TeamID2" : "D4",
  "Team1_Score" : 2,
  "Team2_Score" : 0
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce37d"),
  "GameID" : "G10",
  "Groups" : "F",
  "MatchDate" : "2018-06-17",
  "SID" : "S1",
  "TeamID1" : "F1",
  "TeamID2" : "F2",
  "Team1_Score" : 0,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce37e"),
  "GameID" : "G13",
  "Groups" : "G",
  "MatchDate" : "2018-06-18",
  "SID" : "S3",
  "TeamID1" : "G1",
  "TeamID2" : "G2",
  "Team1_Score" : 3,
  "Team2_Score" : 0
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce37f"),
  "GameID" : "G11",
  "Groups" : "E",
  "MatchDate" : "2018-06-17",
  "SID" : "S7",
  "TeamID1" : "E1",
  "TeamID2" : "E2",
  "Team1_Score" : 1,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d474b1697b84f2fcddce380"),
  "GameID" : "G14",
  "Groups" : "G",
  "MatchDate" : "2018-06-18",
  "SID" : "S10",
  "TeamID1" : "G3",
  "TeamID2" : "G4",
  "Team1_Score" : 1,
  "Team2_Score" : 2
}
```

MongoDB Compass Connect Edit View Collection Window Help

MongoDB Compass - localhost:27017/WORLDCUP.GAME

1 DBS 5 COLLECTIONS

filter

**WORLDCUP.GAME**

Documents Aggregations Schema Explain Plan Indexes Validation

DOCUMENTS 64 TOTAL SIZE 9.8KB AVG. SIZE 156B INDEXES 1 TOTAL SIZE 16.0KB AVG. SIZE 16.0KB

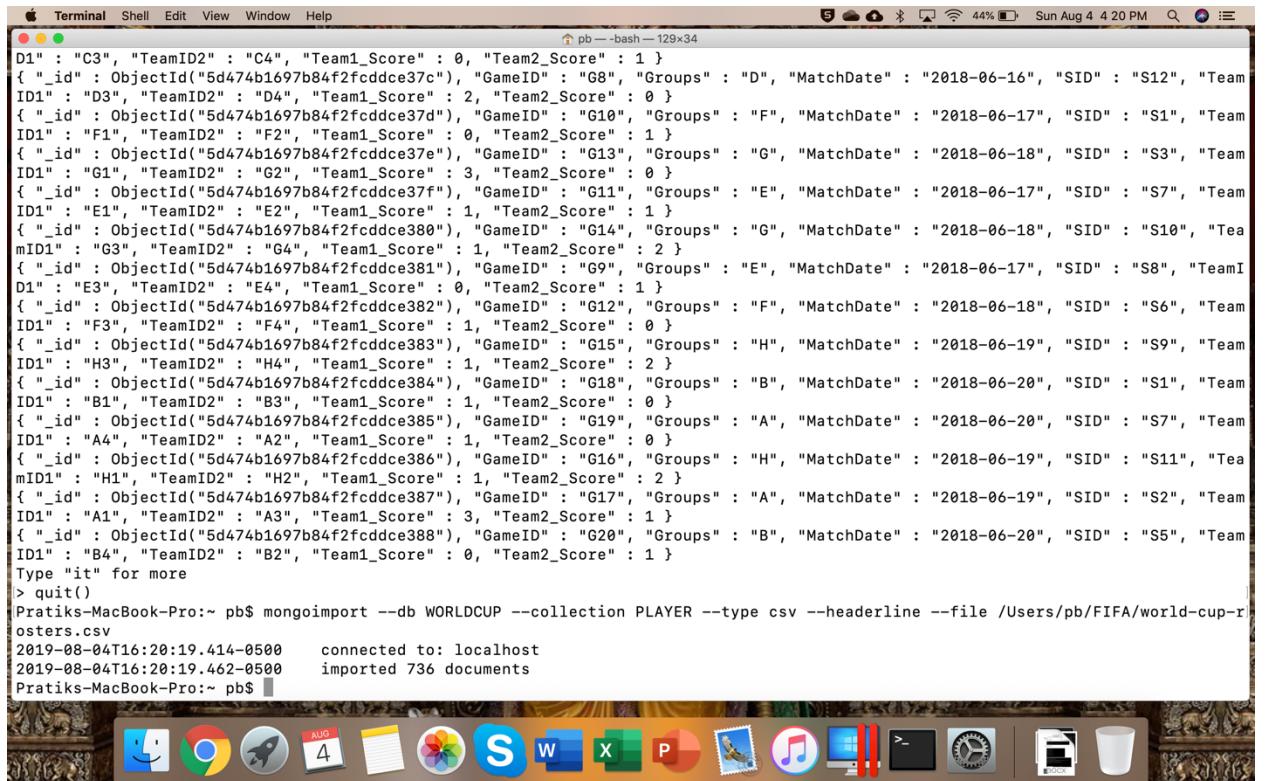
OPTIONS FIND RESET ...

DISPLAYING DOCUMENTS 1 - 20 OF 64 < > C

**TEAM**

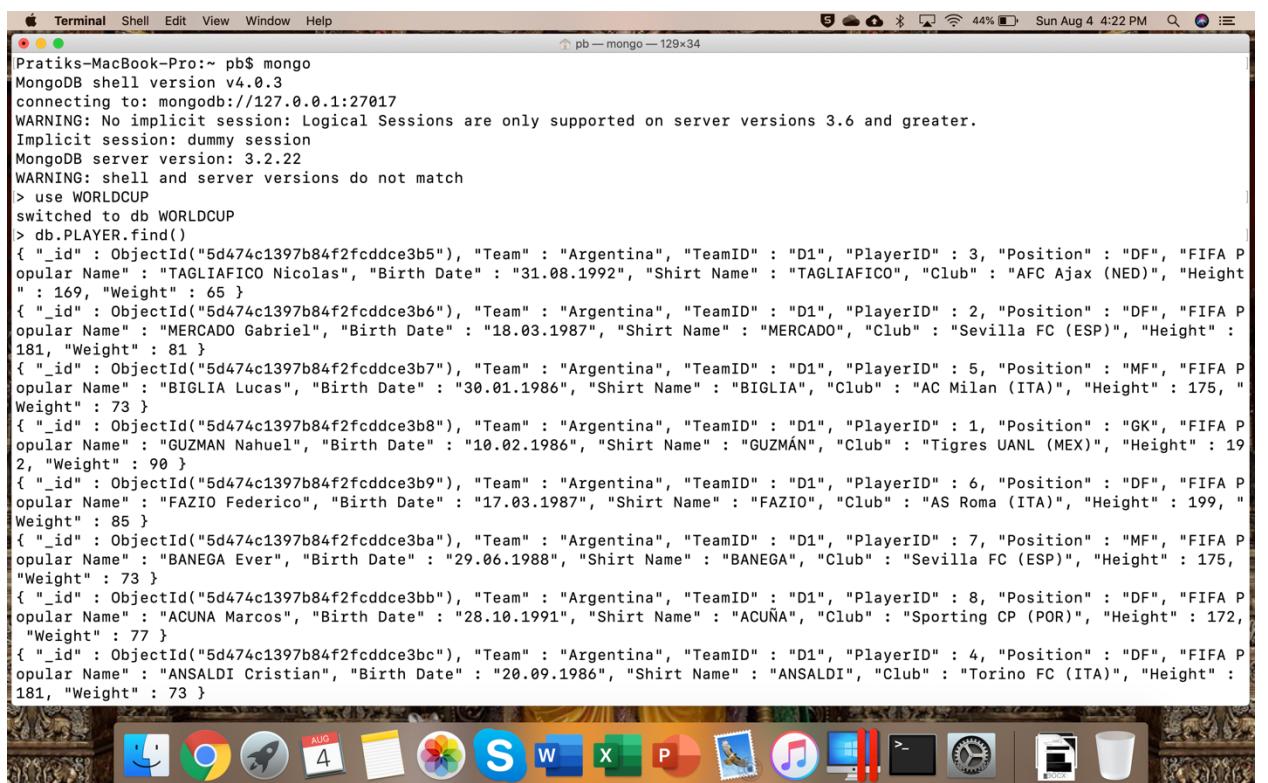
	_id	ObjectId	GameID String	Groups String	MatchDate String	SID String	TeamID1 String
1	5d474b1697b84f2fcddce375	"G1"	"A"	"2018-06-14"	"S1"	"A1"	
2	5d474b1697b84f2fcddce376	"G2"	"A"	"2018-06-15"	"S4"	"A3"	
3	5d474b1697b84f2fcddce377	"G3"	"C"	"2018-06-16"	"S5"	"C1"	
4	5d474b1697b84f2fcddce378	"G6"	"D"	"2018-06-16"	"S11"	"D1"	
5	5d474b1697b84f2fcddce379	"G4"	"B"	"2018-06-15"	"S3"	"B1"	
6	5d474b1697b84f2fcddce37a	"G3"	"B"	"2018-06-15"	"S2"	"B3"	
7	5d474b1697b84f2fcddce37b	"G7"	"C"	"2018-06-16"	"S9"	"C3"	
8	5d474b1697b84f2fcddce37c	"G8"	"D"	"2018-06-16"	"S12"	"D3"	
9	5d474b1697b84f2fcddce37d	"G10"	"F"	"2018-06-17"	"S1"	"F1"	
10	5d474b1697b84f2fcddce37e	"G13"	"G"	"2018-06-18"	"S3"	"G1"	
11	5d474b1697b84f2fcddce37f	"G11"	"E"	"2018-06-17"	"S7"	"E1"	
12	5d474b1697b84f2fcddce380	"G14"	"G"	"2018-06-18"	"S10"	"G3"	
13	5d474b1697b84f2fcddce381	"G9"	"E"	"2018-06-17"	"S8"	"E3"	
14	5d474b1697b84f2fcddce382	"G12"	"F"	"2018-06-18"	"S6"	"F3"	
15	5d474b1697b84f2fcddce383	"G15"	"H"	"2018-06-19"	"S9"	"H3"	
16	5d474b1697b84f2fcddce384	"G18"	"B"	"2018-06-20"	"S1"	"B1"	
17	5d474b1697b84f2fcddce385	"G19"	"A"	"2018-06-20"	"S7"	"A4"	
18	5d474b1697b84f2fcddce386	"G16"	"H"	"2018-06-19"	"S11"	"H1"	
19	5d474b1697b84f2fcddce387	"G17"	"A"	"2018-06-19"	"S2"	"A1"	
20	5d474b1697b84f2fcddce388	"G20"	"B"	"2018-06-20"	"S5"	"B4"	

V. Input File – Player



```

pb---bash---129x34
D1" : "C3", "TeamID2" : "C4", "Team1_Score" : 0, "Team2_Score" : 1 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce37c"), "GameID" : "G8", "Groups" : "D", "MatchDate" : "2018-06-16", "SID" : "S12", "Team
ID1" : "D3", "TeamID2" : "D4", "Team1_Score" : 2, "Team2_Score" : 0 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce37d"), "GameID" : "G10", "Groups" : "F", "MatchDate" : "2018-06-17", "SID" : "S1", "Team
ID1" : "F1", "TeamID2" : "F2", "Team1_Score" : 0, "Team2_Score" : 1 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce37e"), "GameID" : "G13", "Groups" : "G", "MatchDate" : "2018-06-18", "SID" : "S3", "Team
ID1" : "G1", "TeamID2" : "G2", "Team1_Score" : 3, "Team2_Score" : 0 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce37f"), "GameID" : "G11", "Groups" : "E", "MatchDate" : "2018-06-17", "SID" : "S7", "Team
ID1" : "E1", "TeamID2" : "E2", "Team1_Score" : 1, "Team2_Score" : 1 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce380"), "GameID" : "G14", "Groups" : "G", "MatchDate" : "2018-06-18", "SID" : "S10", "Tea
mID1" : "G3", "TeamID2" : "G4", "Team1_Score" : 1, "Team2_Score" : 2 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce381"), "GameID" : "G9", "Groups" : "E", "MatchDate" : "2018-06-17", "SID" : "S8", "TeamI
D1" : "E3", "TeamID2" : "E4", "Team1_Score" : 0, "Team2_Score" : 1 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce382"), "GameID" : "G12", "Groups" : "F", "MatchDate" : "2018-06-18", "SID" : "S6", "Team
ID1" : "F3", "TeamID2" : "F4", "Team1_Score" : 1, "Team2_Score" : 0 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce383"), "GameID" : "G15", "Groups" : "H", "MatchDate" : "2018-06-19", "SID" : "S9", "Team
ID1" : "H3", "TeamID2" : "H4", "Team1_Score" : 1, "Team2_Score" : 2 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce384"), "GameID" : "G18", "Groups" : "B", "MatchDate" : "2018-06-20", "SID" : "S1", "Team
ID1" : "B1", "TeamID2" : "B3", "Team1_Score" : 1, "Team2_Score" : 0 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce385"), "GameID" : "G19", "Groups" : "A", "MatchDate" : "2018-06-20", "SID" : "S7", "Team
ID1" : "A4", "TeamID2" : "A2", "Team1_Score" : 1, "Team2_Score" : 0 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce386"), "GameID" : "G16", "Groups" : "H", "MatchDate" : "2018-06-19", "SID" : "S11", "Tea
mID1" : "H1", "TeamID2" : "H2", "Team1_Score" : 1, "Team2_Score" : 2 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce387"), "GameID" : "G17", "Groups" : "A", "MatchDate" : "2018-06-19", "SID" : "S2", "Team
ID1" : "A1", "TeamID2" : "A3", "Team1_Score" : 3, "Team2_Score" : 1 }
{ "_id" : ObjectId("5d474b1697b84f2fcddce388"), "GameID" : "G20", "Groups" : "B", "MatchDate" : "2018-06-20", "SID" : "S5", "Team
ID1" : "B4", "TeamID2" : "B2", "Team1_Score" : 0, "Team2_Score" : 1 }
Type "it" for more
> quit()
Pratiks-MacBook-Pro:~ pb$ mongoimport --db WORLD CUP --collection PLAYER --type csv --headerline --file /Users/pb/FIFA/world-cup-r
osters.csv
2019-08-04T16:20:19.414-0500      connected to: localhost
2019-08-04T16:20:19.462-0500      imported 736 documents
Pratiks-MacBook-Pro:~ pb$ 
```



```

pb---mongo---129x34
Pratiks-MacBook-Pro:~ pb$ mongo
MongoDB shell version v4.0.3
connecting to: mongodb://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> use WORLD CUP
switched to db WORLD CUP
> db.PLAYER.find()
{ "_id" : ObjectId("5d474c1397b84f2fcddce3b5"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 3, "Position" : "DF", "FIFA P
opular Name" : "TAGLIAFICO Nicolas", "Birth Date" : "31.08.1992", "Shirt Name" : "TAGLIAFICO", "Club" : "AFC Ajax (NED)", "Height
" : 169, "Weight" : 65 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3b6"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 2, "Position" : "DF", "FIFA P
opular Name" : "MERCADO Gabriel", "Birth Date" : "18.03.1987", "Shirt Name" : "MERCADO", "Club" : "Sevilla FC (ESP)", "Height" :
181, "Weight" : 81 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3b7"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 5, "Position" : "MF", "FIFA P
opular Name" : "BIGLIA Lucas", "Birth Date" : "30.01.1986", "Shirt Name" : "BIGLIA", "Club" : "AC Milan (ITA)", "Height" : 175, "
Weight" : 73 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3b8"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 1, "Position" : "GK", "FIFA P
opular Name" : "GUZMAN Nahuel", "Birth Date" : "10.02.1986", "Shirt Name" : "GUZMAN", "Club" : "Tigres UANL (MEX)", "Height" : 19
2, "Weight" : 90 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3b9"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 6, "Position" : "DF", "FIFA P
opular Name" : "FAZIO Federico", "Birth Date" : "17.03.1987", "Shirt Name" : "FAZIO", "Club" : "AS Roma (ITA)", "Height" : 199, "
Weight" : 85 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3ba"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 7, "Position" : "MF", "FIFA P
opular Name" : "BANEGA Ever", "Birth Date" : "29.06.1988", "Shirt Name" : "BANEGA", "Club" : "Sevilla FC (ESP)", "Height" : 175,
"Weight" : 73 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3bb"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 8, "Position" : "DF", "FIFA P
opular Name" : "ACUNA Marcos", "Birth Date" : "28.10.1991", "Shirt Name" : "ACUNA", "Club" : "Sporting CP (POR)", "Height" : 172,
"Weight" : 77 }
{ "_id" : ObjectId("5d474c1397b84f2fcddce3bc"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 4, "Position" : "DF", "FIFA P
opular Name" : "ANSALDI Cristian", "Birth Date" : "20.09.1986", "Shirt Name" : "ANSALDI", "Club" : "Torino FC (ITA)", "Height" :
181, "Weight" : 73 } 
```

MongoDB Compass Connect Edit View Collection Window Help

MongoDB Compass - localhost:27017/WORLDCUP.PLAYER

1 DBS 5 COLLECTIONS

filter

WORLDCUP

GAME

GOALS

PLAYER

STARTING\_LINEUP

TEAM

Documents Aggregations Schema Explain Plan Indexes Validation

FIND RESET

Displaying documents 1 - 20 of 736

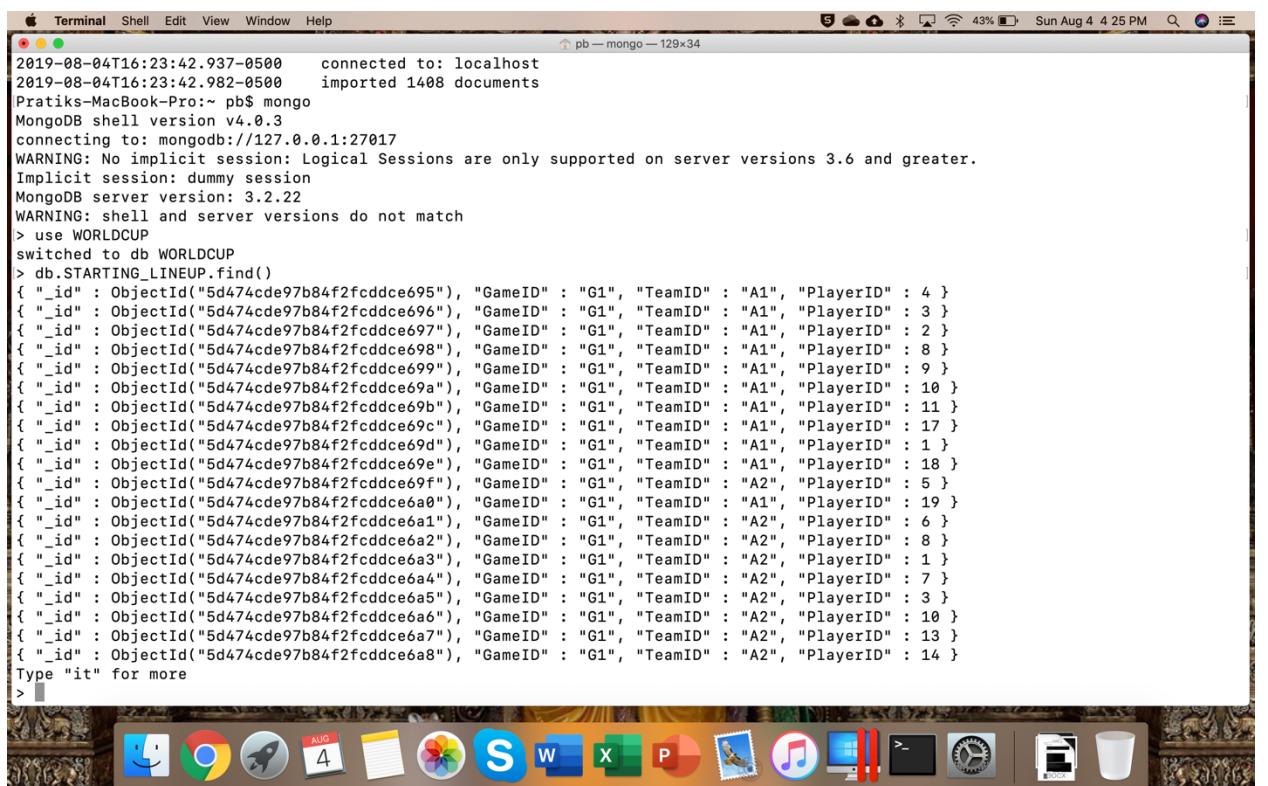
#	TEAM	_id	ObjectId	Team String	TeamID String	PlayerID Int32	Position String	FIFA Popular Name
1		5d474c1397b84f2fcddce3b5	"Argentina"	"D1"	3	"DF"	"TAGLIAFICO Nicolas"	
2		5d474c1397b84f2fcddce3b6	"Argentina"	"D1"	2	"DF"	"MERCADO Gabriel"	
3		5d474c1397b84f2fcddce3b7	"Argentina"	"D1"	5	"MF"	"BIGLIA Lucas"	
4		5d474c1397b84f2fcddce3b8	"Argentina"	"D1"	1	"GK"	"GUZMAN Nahuel"	
5		5d474c1397b84f2fcddce3b9	"Argentina"	"D1"	6	"DF"	"FAZIO Federico"	
6		5d474c1397b84f2fcddce3ba	"Argentina"	"D1"	7	"MF"	"BANEZA Ever"	
7		5d474c1397b84f2fcddce3bb	"Argentina"	"D1"	8	"DF"	"ACUNA Marcos"	
8		5d474c1397b84f2fcddce3bc	"Argentina"	"D1"	4	"DF"	"ANSALDI Cristian"	
9		5d474c1397b84f2fcddce3bd	"Argentina"	"D1"	9	"FW"	"HIGUAIN Gonzalo"	
10		5d474c1397b84f2fcddce3be	"Argentina"	"D1"	10	"FW"	"MESSI Lionel"	
11		5d474c1397b84f2fcddce3bf	"Argentina"	"D1"	11	"MF"	"DI MARIA Angel"	
12		5d474c1397b84f2fcddce3c0	"Argentina"	"D1"	12	"GK"	"ARMANI Franco"	
13		5d474c1397b84f2fcddce3c1	"Argentina"	"D1"	13	"MF"	"MEZA Maximiliano"	
14		5d474c1397b84f2fcddce3c2	"Argentina"	"D1"	14	"DF"	"MASCHERANO Javier"	
15		5d474c1397b84f2fcddce3c3	"Argentina"	"D1"	15	"MF"	"LANZINI Manuel"	
16		5d474c1397b84f2fcddce3c4	"Argentina"	"D1"	16	"DF"	"ROJO Marcos"	
17		5d474c1397b84f2fcddce3c5	"Argentina"	"D1"	17	"DF"	"OTAMENDI Nicolas"	
18		5d474c1397b84f2fcddce3c6	"Argentina"	"D1"	18	"DF"	"SALVIO Eduardo"	
19		5d474c1397b84f2fcddce3c7	"Argentina"	"D1"	19	"FW"	"AGUERO Sergio"	
20		5d474c1397b84f2fcddce3c8	"Argentina"	"D1"	20	"MF"	"LO CELSO Giovanni"	

vi. Input File – Starting\_Lineup



```

pb — bash — 129x34
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c0"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 12, "Position" : "GK", "FIFA Popular Name" : "ARMANI Franco", "Birth Date" : "16.10.1986", "Shirt Name" : "ARMANI", "Club" : "CA River Plate (ARG)", "Height" : 189, "Weight" : 85 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c1"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 13, "Position" : "MF", "FIFA Popular Name" : "MEZA Maximiliano", "Birth Date" : "15.12.1992", "Shirt Name" : "MEZA", "Club" : "CA Independiente (ARG)", "Height" : 180, "Weight" : 76 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c2"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 14, "Position" : "DF", "FIFA Popular Name" : "MASCHERANO Javier", "Birth Date" : "08.06.1984", "Shirt Name" : "MASCHERANO", "Club" : "Hebei China Fortune FC (CHN)", "Height" : 174, "Weight" : 73 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c3"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 15, "Position" : "MF", "FIFA Popular Name" : "LANZINI Manuel", "Birth Date" : "15.02.1993", "Shirt Name" : "LANZINI", "Club" : "West Ham United FC (ENG)", "Height" : 167, "Weight" : 66 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c4"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 16, "Position" : "DF", "FIFA Popular Name" : "ROJO Marcos", "Birth Date" : "20.03.1990", "Shirt Name" : "ROJO", "Club" : "Manchester United FC (ENG)", "Height" : 189, "Weight" : 82 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c5"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 17, "Position" : "DF", "FIFA Popular Name" : "OTAMENDI Nicolas", "Birth Date" : "12.02.1988", "Shirt Name" : "OTAMENDI", "Club" : "Manchester City FC (ENG)", "Height" : 181, "Weight" : 81 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c6"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 18, "Position" : "DF", "FIFA Popular Name" : "SALVIO Eduardo", "Birth Date" : "13.07.1990", "Shirt Name" : "SALVIO", "Club" : "SL Benfica (POR)", "Height" : 167, "Weight" : 69 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c7"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 19, "Position" : "FW", "FIFA Popular Name" : "AGUERO Sergio", "Birth Date" : "02.06.1988", "Shirt Name" : "AGÜERO", "Club" : "Manchester City FC (ENG)", "Height" : 172, "Weight" : 74 }
{
  "_id" : ObjectId("5d474c1397b84f2fcddce3c8"), "Team" : "Argentina", "TeamID" : "D1", "PlayerID" : 20, "Position" : "MF", "FIFA Popular Name" : "LO CELSO Giovani", "Birth Date" : "09.04.1996", "Shirt Name" : "LO CELSO", "Club" : "Paris Saint-Germain FC (FRA)", "Height" : 177, "Weight" : 75 }
Type "it" for more
> quit()
Pratiks-MacBook-Pro:~ pb$ mongoimport --db WORLD CUP --collection STARTING_LINEUP --type csv --headerline --file /Users/pb/FIFA/world-cup-starting-lineups.csv
2019-08-04T16:23:42.937-0500      connected to: localhost
2019-08-04T16:23:42.982-0500      imported 1408 documents
Pratiks-MacBook-Pro:~ pb$ 
```



```

pb — mongo — 129x34
2019-08-04T16:23:42.937-0500      connected to: localhost
2019-08-04T16:23:42.982-0500      imported 1408 documents
Pratiks-MacBook-Pro:~ pb$ mongo
MongoDB shell version v4.0.3
connecting to: mongod://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> use WORLD CUP
switched to db WORLD CUP
> db.STARTING_LINEUP.find()
{
  "_id" : ObjectId("5d474cde97b84f2fcddce695"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 4 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce696"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 3 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce697"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 2 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce698"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 8 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce699"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 9 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce69a"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 10 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce69b"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 11 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce69c"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 17 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce69d"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 1 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce69e"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 18 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce69f"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 5 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a0"), "GameID" : "G1", "TeamID" : "A1", "PlayerID" : 19 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a1"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 6 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a2"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 8 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a3"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 1 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a4"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 7 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a5"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 3 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a6"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 10 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a7"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 13 }
{
  "_id" : ObjectId("5d474cde97b84f2fcddce6a8"), "GameID" : "G1", "TeamID" : "A2", "PlayerID" : 14 }
Type "it" for more
> 
```

MongoDB Compass Connect Edit View Collection Window Help

MongoDB Compass - localhost:27017/WORLDCUP.STARTING\_LINEUP

1 DBS 5 COLLECTIONS

filter

WORLDCUP

GAME  
GOALS  
PLAYER

STARTING\_LINEUP

TEAM

Documents Aggregations Schema Explain Plan Indexes Validation

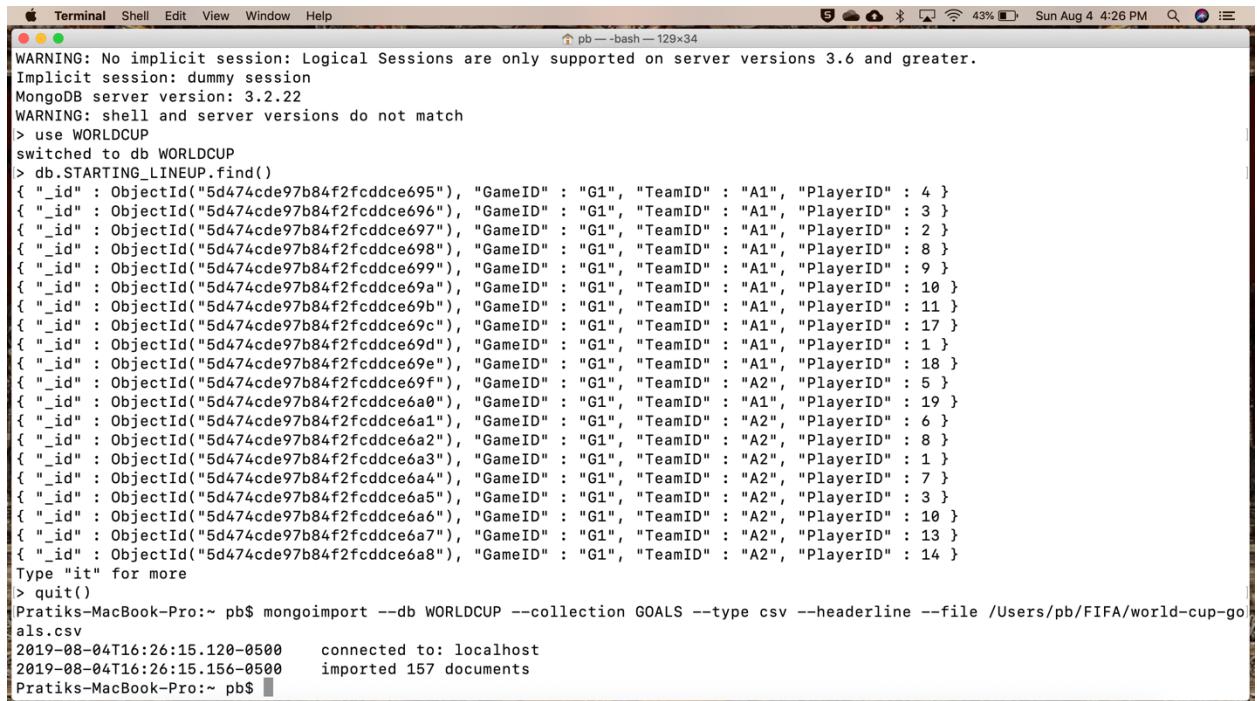
FILTER

INSERT DOCUMENT VIEW LIST TABLE

Displaying documents 1 - 20 of 1408

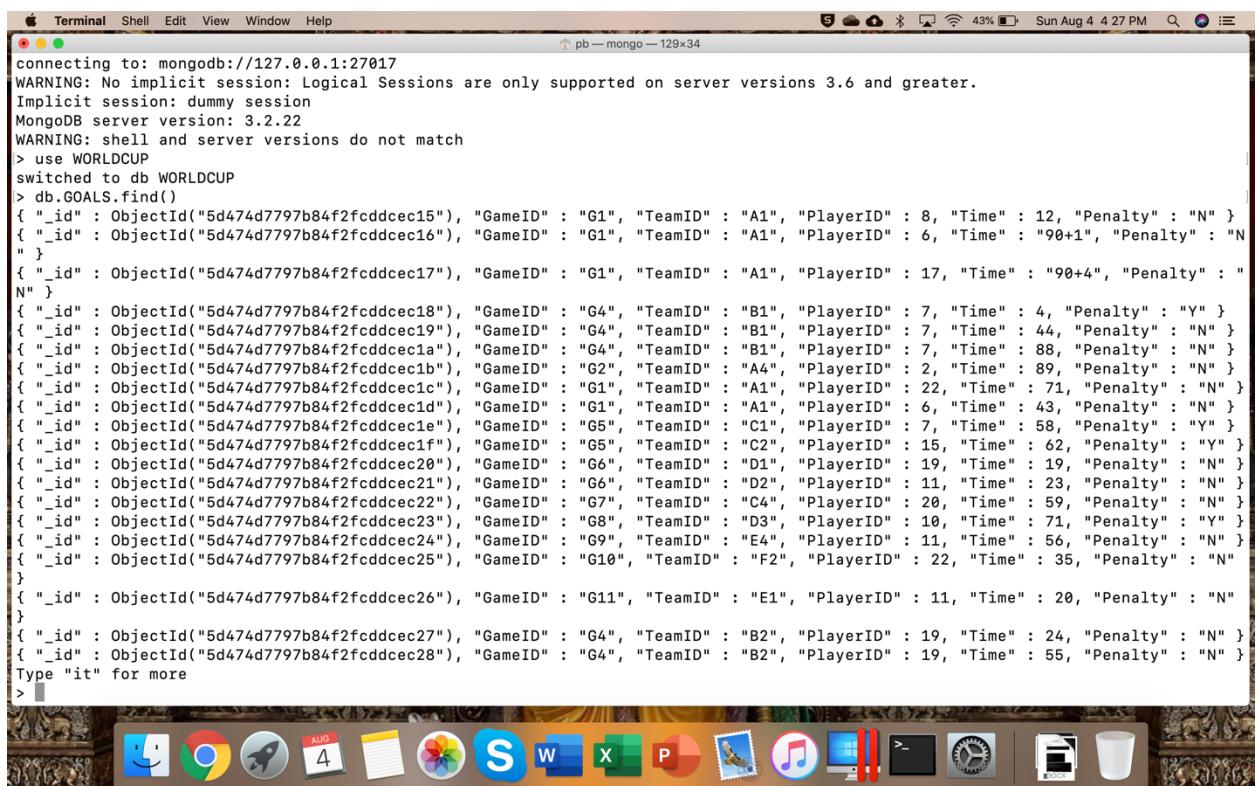
#	TEAM	_id	ObjectId	GameID	String	TeamID	String	PlayerID	Int32
1		5d474cde97b84f2fcddce695		"G1"		"A1"		4	
2		5d474cde97b84f2fcddce696		"G1"		"A1"		3	
3		5d474cde97b84f2fcddce697		"G1"		"A1"		2	
4		5d474cde97b84f2fcddce698		"G1"		"A1"		8	
5		5d474cde97b84f2fcddce699		"G1"		"A1"		9	
6		5d474cde97b84f2fcddce69a		"G1"		"A1"		10	
7		5d474cde97b84f2fcddce69b		"G1"		"A1"		11	
8		5d474cde97b84f2fcddce69c		"G1"		"A1"		17	
9		5d474cde97b84f2fcddce69d		"G1"		"A1"		1	
10		5d474cde97b84f2fcddce69e		"G1"		"A1"		18	
11		5d474cde97b84f2fcddce69f		"G1"		"A2"		5	
12		5d474cde97b84f2fcddce6a0		"G1"		"A1"		19	
13		5d474cde97b84f2fcddce6a1		"G1"		"A2"		6	
14		5d474cde97b84f2fcddce6a2		"G1"		"A2"		8	
15		5d474cde97b84f2fcddce6a3		"G1"		"A2"		1	
16		5d474cde97b84f2fcddce6a4		"G1"		"A2"		7	
17		5d474cde97b84f2fcddce6a5		"G1"		"A2"		3	
18		5d474cde97b84f2fcddce6a6		"G1"		"A2"		10	
19		5d474cde97b84f2fcddce6a7		"G1"		"A2"		13	
20		5d474cde97b84f2fcddce6a8		"G1"		"A2"		14	

vii. Input File – Goals



```

Terminal Shell Edit View Window Help pb — bash — 129x34
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> use WORLD CUP
switched to db WORLD CUP
> db.STARTING_LINEUP.find()
{
  "_id": ObjectId("5d474cde97b84f2fcddce695"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 4
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce696"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 3
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce697"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 2
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce698"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 8
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce699"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 9
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce69a"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 10
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce69b"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 11
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce69c"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 17
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce69d"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 1
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce69e"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 18
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce69f"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 5
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a0"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 19
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a1"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 6
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a2"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 8
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a3"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 1
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a4"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 7
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a5"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 3
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a6"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 10
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a7"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 13
}
{
  "_id": ObjectId("5d474cde97b84f2fcddce6a8"),
  "GameID": "G1",
  "TeamID": "A2",
  "PlayerID": 14
}
Type "it" for more
> quit()
Pratiks-MacBook-Pro:~ pb$ mongoimport --db WORLD CUP --collection GOALS --type csv --headerline --file /Users/pb/FIFA/world-cup-goals.csv
2019-08-04T16:26:15.120+0500      connected to: localhost
2019-08-04T16:26:15.156+0500      imported 157 documents
Pratiks-MacBook-Pro:~ pb$ 
```



```

Terminal Shell Edit View Window Help pb — mongo — 129x34
connecting to: mongodb://127.0.0.1:27017
WARNING: No implicit session: Logical Sessions are only supported on server versions 3.6 and greater.
Implicit session: dummy session
MongoDB server version: 3.2.22
WARNING: shell and server versions do not match
> use WORLD CUP
switched to db WORLD CUP
> db.GOALS.find()
{
  "_id": ObjectId("5d474d7797b84f2fcddcec15"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 8,
  "Time": 12,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec16"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 6,
  "Time": "90+1",
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec17"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 17,
  "Time": "90+4",
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec18"),
  "GameID": "G4",
  "TeamID": "B1",
  "PlayerID": 7,
  "Time": 4,
  "Penalty": "Y"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec19"),
  "GameID": "G4",
  "TeamID": "B1",
  "PlayerID": 7,
  "Time": 44,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec1a"),
  "GameID": "G4",
  "TeamID": "B1",
  "PlayerID": 7,
  "Time": 88,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec1b"),
  "GameID": "G2",
  "TeamID": "A4",
  "PlayerID": 2,
  "Time": 89,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec1c"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 22,
  "Time": 71,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec1d"),
  "GameID": "G1",
  "TeamID": "A1",
  "PlayerID": 6,
  "Time": 43,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec1e"),
  "GameID": "G5",
  "TeamID": "C1",
  "PlayerID": 7,
  "Time": 58,
  "Penalty": "Y"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec1f"),
  "GameID": "G5",
  "TeamID": "C2",
  "PlayerID": 15,
  "Time": 62,
  "Penalty": "Y"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec20"),
  "GameID": "G6",
  "TeamID": "D1",
  "PlayerID": 19,
  "Time": 19,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec21"),
  "GameID": "G6",
  "TeamID": "D2",
  "PlayerID": 11,
  "Time": 23,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec22"),
  "GameID": "G7",
  "TeamID": "C4",
  "PlayerID": 20,
  "Time": 59,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec23"),
  "GameID": "G8",
  "TeamID": "D3",
  "PlayerID": 10,
  "Time": 71,
  "Penalty": "Y"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec24"),
  "GameID": "G9",
  "TeamID": "E4",
  "PlayerID": 11,
  "Time": 56,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec25"),
  "GameID": "G10",
  "TeamID": "F2",
  "PlayerID": 22,
  "Time": 35,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec26"),
  "GameID": "G11",
  "TeamID": "E1",
  "PlayerID": 11,
  "Time": 20,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec27"),
  "GameID": "G4",
  "TeamID": "B2",
  "PlayerID": 19,
  "Time": 24,
  "Penalty": "N"
}
{
  "_id": ObjectId("5d474d7797b84f2fcddcec28"),
  "GameID": "G4",
  "TeamID": "B2",
  "PlayerID": 19,
  "Time": 55,
  "Penalty": "N"
}
Type "it" for more
> 
```

MongoDB Compass Connect Edit View Collection Window Help

MongoDB Compass - localhost:27017/WORLDCUP.GOALS

1 DBS 5 COLLECTIONS

filter

WORLDCUP

GAME

**GOALS**

PLAYER

STARTING\_LINEUP

TEAM

Documents Aggregations Schema Explain Plan Indexes Validation

0 FILTER

OPTIONS FIND RESET

Displaying documents 1 - 20 of 157

#	TEAM	_id	ObjectID	GameID	String	TeamID	String	PlayerID	Int32	Time	Mixed	Penalty	String
1		5d474d7797b84f2fcddcec15	"G1"		"A1"		"A1"		8	12		"N"	
2		5d474d7797b84f2fcddcec16	"G1"		"A1"		"A1"		6	"90+1"		"N"	
3		5d474d7797b84f2fcddcec17	"G1"		"A1"		"A1"		17	"90+4"		"N"	
4		5d474d7797b84f2fcddcec18	"G4"		"B1"		"B1"		7	4		"Y"	
5		5d474d7797b84f2fcddcec19	"G4"		"B1"		"B1"		7	44		"N"	
6		5d474d7797b84f2fcddcec1a	"G4"		"B1"		"B1"		7	88		"N"	
7		5d474d7797b84f2fcddcec1b	"G2"		"A4"		"A4"		2	89		"N"	
8		5d474d7797b84f2fcddcec1c	"G1"		"A1"		"A1"		22	71		"N"	
9		5d474d7797b84f2fcddcec1d	"G1"		"A1"		"A1"		6	43		"N"	
10		5d474d7797b84f2fcddcec1e	"G5"		"C1"		"C1"		7	58		"Y"	
11		5d474d7797b84f2fcddcec1f	"G5"		"C2"		"C2"		15	62		"Y"	
12		5d474d7797b84f2fcddcec20	"G6"		"D1"		"D1"		19	19		"N"	
13		5d474d7797b84f2fcddcec21	"G6"		"D2"		"D2"		11	23		"N"	
14		5d474d7797b84f2fcddcec22	"G7"		"C4"		"C4"		20	59		"N"	
15		5d474d7797b84f2fcddcec23	"G8"		"D3"		"D3"		10	71		"Y"	
16		5d474d7797b84f2fcddcec24	"G9"		"E4"		"E4"		11	56		"N"	
17		5d474d7797b84f2fcddcec25	"G10"		"F2"		"F2"		22	35		"N"	
18		5d474d7797b84f2fcddcec26	"G11"		"E1"		"E1"		11	20		"N"	
19		5d474d7797b84f2fcddcec27	"G4"		"B2"		"B2"		19	24		"N"	
20		5d474d7797b84f2fcddcec28	"G4"		"B2"		"B2"		19	55		"N"	